

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shinji Aoyama
Title: DATA DEVICE FOR CELLULAR TELEPHONE
AND DATA BACKUP METHOD
Docket No.: 34129

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to the examination of the above-identified patent application, it is requested that the following amendments be made.

IN THE CLAIMS:

Please amend claims 1 - 10 to read as follows.

- 1 1. (amended) Data backup equipment for a portable
- 2 telephone such as a cellular phone, a personal handy
- 3 phone, a car telephone, a maritime mobile radiotelephone
- 4 machine, a satellite cellular phone machine or the like,
- 5 comprising a charging section having a charging
- 6 connection terminal to be connected to a charging
- 7 terminal of said portable telephone to charge a battery
- 8 in said portable telephone and a data backup section
- 9 having an information transmission interface part to be
- 10 connected to an external information instrument

11 connection interface part of said portable telephone to
12 read and store from said portable telephone such data as
13 telephone numbers and others set and stored through said
14 information transmission interface part in said portable
15 telephone, said data backup section characterized by
16 automatically reading and storing said data stored in
17 said portable telephone therefrom in association with a
18 charging operation when said charging section begins to
19 charge said battery in said portable telephone.

1 2. (amended) Data backup equipment for a portable
2 telephone as set forth in claim 1, further comprising a
3 feedback section to feed back said data read and stored
4 from said portable telephone by said data backup section
5 through said information transmission interface part to
6 said portable telephone to again store said data in said
7 portable telephone.

1 3. (amended) Data backup equipment for a portable
2 telephone as set forth in claim 1 or 2, wherein said data
3 to be read and stored from said portable telephone by
4 said data backup section include control or setup
5 function information required at least for an operation
6 of said portable telephone and a telephone call
7 information such as a telephone number information, an

8 arrival telephone number information, a dispatch
9 telephone number, a telephone call time or the like.

1 4. (amended) Data backup equipment for a portable
2 telephone as set forth in claim 3, further comprising a
3 data selection section to select and set any of said data
4 to be read and stored from said portable telephone by
5 said data backup section or said data to be fed back and
6 again stored by said feedback section to said portable
7 telephone.

1 5. (amended) Data backup equipment for a portable
2 telephone as set forth in claim 3, further comprising a
3 data process section to automatically process said data
4 read from said portable telephone under predetermined
5 conditions whereby said feedback section feeds back to
6 said portable telephone said data processed by said data
7 process section.

1 6. (amended) A method of backing up data set and
2 stored in a portable telephone such as a cellular phone,
3 a personal handy phone, a car telephone, a maritime
4 mobile radiotelephone machine, a satellite cellular phone
5 machine or the like, by reading and storing said data in
6 an external storage, said method characterized by
7 preparing a charger having a charging connection terminal

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8 to be connected to a charging terminal of said portable
9 telephone as an external storage and an information
10 transmission interface part to be connected to an
11 external information instrument connection interface part
12 of said portable telephone and automatically reading said
13 data set and stored in said portable telephone therefrom
14 through said information transmission interface part to
15 store them in said charger in association with a charging
16 operation when said charger begins to charge said battery
17 in said portable telephone through said charging
18 terminals.

1 7. (amended) A method of backing up data for a
2 portable telephone as set forth in claim 6, further
3 comprising the step of feeding back said data read and
4 stored from said portable telephone through said
5 information transmission interface part to said portable
6 telephone to again store said data in said portable
7 telephone.

1 8. (amended) A method of backing up data for a
2 portable telephone as set forth in claim 6 or 7, wherein
3 the data of a control or setup function information
4 requires at least for an operation of said portable
5 telephone and a telephone call information such as a
6 telephone number information, an arrival telephone number

7 information, a dispatch telephone number, a telephone
8 call time or the like among said data to be read and
9 stored in said portable telephone are read and stored
10 from said portable telephone.

1 9. (amended) A method of backing up data for a
2 portable telephone as set forth in claim 8, further
3 comprising the step of arbitrarily selecting and setting
4 any of said data to be read and stored from said portable
5 telephone or said data to be fed back and again stored to
6 said portable telephone.

1 10. (amended) A method of backing up data for a
2 portable telephone as set forth in claim 8, further
3 comprising the step of automatically processing said data
4 read from said portable telephone under predetermined
5 conditions whereby said processed data are fed back to
6 said portable telephone.

Please add the following new claims 11 - 18.

1 11. (new) Data backup equipment for a portable
2 telephone as set forth in claim 2, further comprising a
3 data selection section to select and set any of said data
4 to be read and stored from said portable telephone by
5 said data backup section or said data to be fed back and

6 again stored by said feedback section to said portable
7 telephone.

1 12. (new) Data backup equipment for a portable
2 telephone as set forth in claim 2, further comprising a
3 data process section to automatically process said data
4 read from said portable telephone under predetermined
5 conditions whereby said feedback section feeds back to
6 said portable telephone said data processed by said data
7 process section.

1 13. (new) Data backup equipment for a portable
2 telephone as set forth in claim 4, further comprising a
3 data process section to automatically process said data
4 read from said portable telephone under predetermined
5 conditions whereby said feedback section feeds back to
6 said portable telephone said data processed by said data
7 process section.

1 14. (new) Data backup equipment for a portable
2 telephone as set forth in claim 11, further comprising a
3 data process section to automatically process said data
4 read from said portable telephone under predetermined
5 conditions whereby said feedback section feeds back to
6 said portable telephone said data processed by said data
7 process section.

1 15. (new) A method of backing up data for a
2 portable telephone as set forth in claim 7, further
3 comprising the step of arbitrarily selecting and setting
4 any of said data to be read and stored from said portable
5 telephone or said data to be fed back and again stored to
6 said portable telephone.

1 16. (new) A method of backing up data for a
2 portable telephone as set forth in claim 7, further
3 comprising the step of automatically processing said data
4 read from said portable telephone under predetermined
5 conditions whereby said processed data are fed back to
6 said portable telephone.

1 17. (new) A method of backing up data for a
2 portable telephone as set forth in claim 9, further
3 comprising the step of automatically processing said data
4 read from said portable telephone under predetermined
5 conditions whereby said processed data are fed back to
6 said portable telephone.

1 18. (new) A method of backing up data for a
2 portable telephone as set forth in claim 15, further
3 comprising the step of automatically processing said data
4 read from said portable telephone under predetermined

5 conditions whereby said processed data are fed back to
6 said portable telephone.

REMARKS

The foregoing amendments corrects multiple claim dependency and conform the claims to U.S. claim style.

Attached hereto are sheets entitled "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

If there are any fees required by this amendment not covered by an enclosed check, or if no check is enclosed, please charge the same to Deposit Account No. 16-0820, Order No. 34129.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Claims 1 - 10 have been amended as follows:

1 1. (amended) [A data] Data backup equipment [(12)]
2 for a portable telephone [(10)] such as a cellular phone,
3 a personal handy phone, a car telephone, a maritime
4 mobile radiotelephone machine, a satellite cellular phone
5 machine or the [likes] like, comprising a charging
6 section [(16)] having a charging connection terminal
7 [(22)] to be connected to a charging terminal [(20)] of
8 said portable telephone to charge a battery [(14)] in
9 said portable telephone and a data backup section [(18)]
10 having an information transmission interface part [(26)]
11 to be connected to an external information instrument
12 connection interface part [(24)] of said portable
13 telephone to read and store from said portable telephone
14 such data as telephone numbers and others set and stored
15 through said information transmission interface part in
16 said portable telephone, said data backup section
17 characterized by automatically reading and storing said
18 data stored in said portable telephone therefrom in
19 association with a charging operation when said charging
20 section begins to charge said battery in said portable
21 telephone.

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1 2. (amended) [A data] Data backup equipment for a
2 portable telephone as set forth in claim 1, [and] further
3 comprising a feedback section to feed back said data read
4 and stored from said portable telephone by said data
5 backup section through said information transmission
6 interface part to said portable telephone to again store
7 said data in said portable telephone.

1 3. (amended) [A data] Data backup equipment for a
2 portable telephone as set forth in claim 1 or 2, [and]
3 wherein said data to be read and stored from said
4 portable telephone by said data backup section include
5 [a] control or setup function information required at
6 least for an operation of said portable telephone and a
7 telephone call information such as a telephone number
8 information, an arrival telephone number information, a
9 dispatch telephone number, a telephone call time or the
10 [likes] like.

1 4. (amended) [A data] Data backup equipment for a
2 portable telephone as set forth in [either of claims 1
3 through 3 and] claim 3, further comprising a data
4 selection section [(34)] to select and set any of said
5 data to be read and stored from said portable telephone
6 by said data backup section or said data to be fed back

7 and again stored by said feedback section to said
8 portable telephone.

1 5. (amended) [A data] Data backup equipment for a
2 portable telephone as set forth in [either of claims 1
3 through 4 and] claim 3, further comprising a data process
4 section [(36)] to automatically process said data read
5 from said portable telephone under predetermined
6 conditions whereby said feedback section feeds back to
7 said portable telephone said data processed by said data
8 process section.

1 6. (amended) A method of backing up data set and
2 stored in a portable telephone [(10)] such as a cellular
3 phone, a personal handy phone, a car telephone, a
4 maritime mobile radiotelephone machine, a satellite
5 cellular phone machine or the [likes] like, by reading
6 and storing said data in an external storage, said method
7 characterized by preparing a charger [(12A)] having a
8 charging connection terminal [(22)] to be connected to a
9 charging terminal [(20)] of said portable telephone as an
10 external storage and an information transmission
11 interface part [(26)] to be connected to an external
12 information instrument connection interface part [(24)]
13 of said portable telephone and automatically reading said
14 data set and stored in said portable telephone therefrom

15 through said information transmission interface part to
16 store them in said charger in association with a charging
17 operation when said charger begins to charge said battery
18 in said portable telephone through said charging
19 terminals.

1 7. (amended) A method of backing up data for a
2 portable telephone as set forth in claim 6₁ [and] further
3 comprising the step of feeding back said data read and
4 stored from said portable telephone through said
5 information transmission interface part to said portable
6 telephone to again store said data in said portable
7 telephone.

1 8. (amended) A method of backing up data for a
2 portable telephone as set forth in claim 6 or 7₁ [and]
3 wherein the data of a control or setup function
4 information requires at least for an operation of said
5 portable telephone and a telephone call information such
6 as a telephone number information, an arrival telephone
7 number information, a dispatch telephone number, a
8 telephone call time or the [likes] like among said data
9 to be read and stored in said portable telephone are read
10 and stored from said portable telephone.

1 9. (amended) A method of backing up data for a
2 portable telephone as set forth in [either of claims 6
3 through 8 and] claim 8, further comprising the step of
4 arbitrarily selecting and setting any of said data to be
5 read and stored from said portable telephone or said data
6 to be fed back and again stored to said portable
7 telephone.

1 10. (amended) A method of backing up data for a
2 portable telephone as set forth in [either of claims 6
3 through 9 and] claim 8, further comprising the step of
4 automatically processing said data read from said
5 portable telephone under predetermined conditions whereby
6 said processed data are fed back to said portable
7 telephone.

Claims 11 - 18 have been added, and no marked-up
version is required.